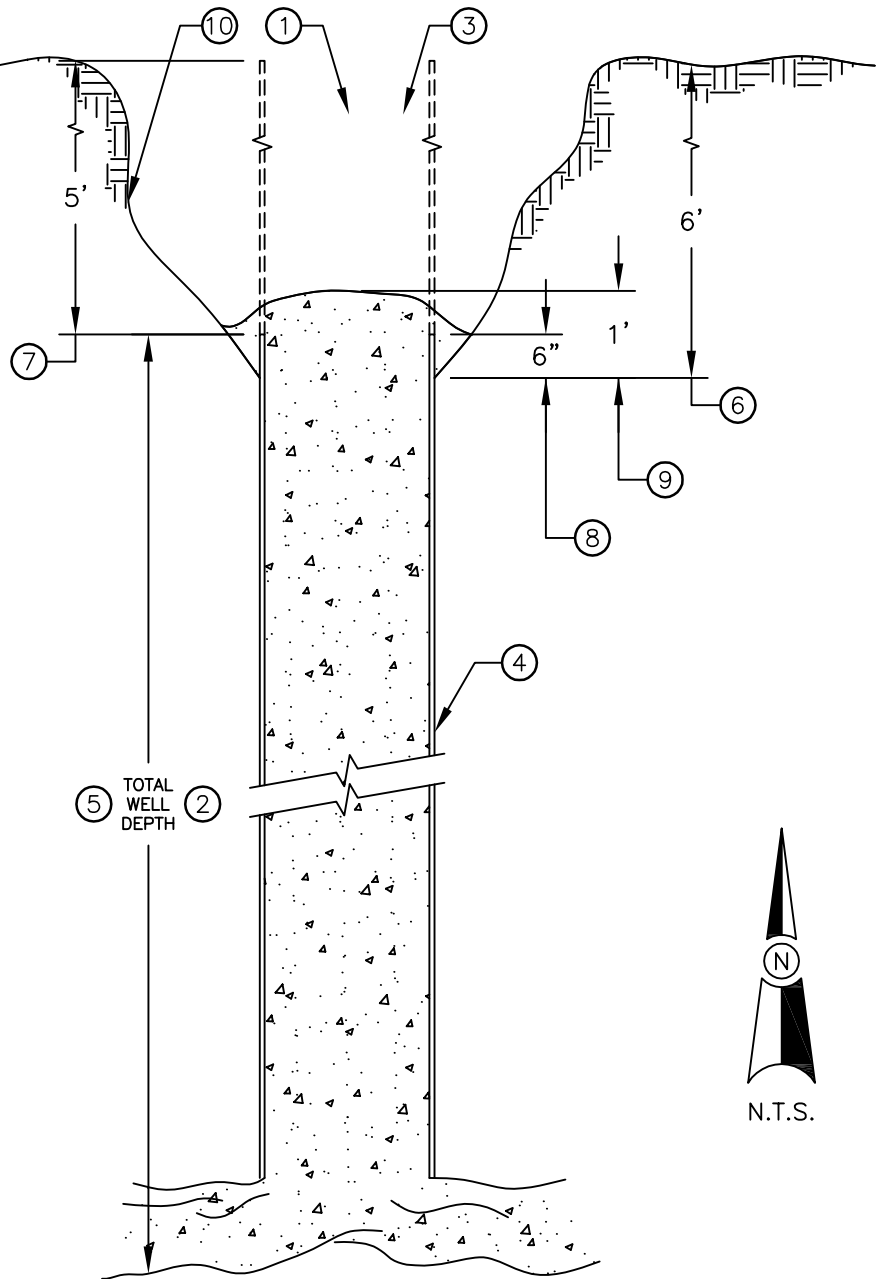


LEGEND:

- 1 REMOVE ALL PUMPING EQUIPMENT AND DEBRIS FROM THE WELL PRIOR TO THE PLACEMENT OF ANY SEALING MATERIAL INTO THE WELL.
- 2 A VIDEO OF THE ENTIRE DEPTH OF THE WELL SHALL BE SUBMITTED TO THE WATER DIVISION FOR REVIEW.
- 3 A TREMIE PIPE SHALL BE USED FOR THE PLACEMENT OF SEALING MATERIAL IN WELLS WHERE:
 - THE TOTAL WELL DEPTH IS GREATER THAN 30'
 - THE STATIC WATER LEVEL IS MORE THAN 5'
- 4 WHEN THE EXISTING WELL CASING IS FOUND TO BE PERFORATED, SLOTTED, CRACKED, SEPARATED, OR TO HAVE HOLES. THE WELL SHALL BE FILLED TO THE TOP WITH A SEALING MATERIAL APPROVED BY THE CITY OF FRESNO WATER DIVISION AND PRESSURIZED PER DWR BULLETIN 74-81 AND 74-90.
- 5 THE TOTAL DEPTH OF THE WELL SHALL BE FILLED WITH AN IMPERVIOUS MATERIAL, I.E. CEMENT GROUT OR AS DIRECTED BY THE CITY OF FRESNO WATER DIVISION.
- 6 EXCAVATE A HOLE AROUND WELL CASING TO A DEPTH OF NOT LESS THAN SIX FEET.
- 7 REMOVE A MINIMUM OF FIVE LINEAL FEET OF EXISTING WELL CASING.
- 8 REMAINING CASING TO EXTEND SIX INCHES ABOVE THE BOTTOM OF THE EXCAVATED HOLE.
- 9 ALLOW SPILL OVER TO FORM A ONE FOOT THICK CAP.
- 10 AFTER THE WELL HAS BEEN PROPERLY FILLED, AND THE SEALING MATERIAL HAS SET, BACKFILL AND COMPACT THE EXCAVATION WITH NATIVE SOIL.



NOTES:

- A THE DESTRUCTION OF ALL WATER WELLS WITHIN THE JURISDICTION OF THE CITY OF FRESNO SHALL CONFORM TO THE STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES STANDARDS: BULLETINS 74-81 & 74-90, AND AS DIRECTED BY THE CITY OF FRESNO WATER DIVISION.
- B AUTHORIZATION FROM THE CAL EPA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) OR CALIFORNIA DEPARTMENT OF WATER RESOURCES (DWR) IS REQUIRED TO DESTROY DECOMMISSIONED MONITORING WELLS, SUBMIT A COPY OF THE AUTHORIZATION DOCUMENTATION WITH WELL DESTRUCTION PERMIT APPLICATION.
- C THERE ARE THREE TYPES OF SEALING GROUT MIXTURES USED IN DESTROYING WELLS WITHIN THE CITY OF FRESNO (SEE TABLE FOR BATCH SPECIFICATIONS)
- D BEFORE WELL DESTRUCTION OPERATIONS BEGIN, A COMPLETE WELL PERMIT APPLICATION PACKAGE FOR DESTRUCTION INCLUDING THE FOLLOWING CALCULATIONS ARE TO BE SUBMITTED FOR APPROVAL:
 - A MIX DESIGN OF THE SEALING MATERIAL PREPARED BY THE GROUT SUPPLIER.
 - A MIX DESIGN OF THE SEALING MATERIAL PREPARED BY THE PROJECT ENGINEER, OUTLINING FIELD MIXING PROCESS.
 - A VOLUME CALCULATION OF THE SEALING MATERIAL, PREPARED BY THE PROJECT ENGINEER.
 - A VOLUME CALCULATION FOR THE WELL PREPARED BY A PROJECT ENGINEER SHOWING THE FOLLOWING:
 - a VOLUME OF THE WELL CASING & VOLUME OF THE FILTER PACK TO BE FILLED (FOR GRAVEL PACKED WELLS)
 - b VOLUME OF THE WELL (FOR OPEN BOTTOM WELLS)
- E ONLY COMPLETE PERMIT APPLICATION PACKAGES WILL BE PROCESSED
- F ONLY CALIFORNIA C57 LICENSED CONTRACTORS ARE AUTHORIZED TO DESTROY ANY WELLS WITHIN THE CITY OF FRESNO.

BATCH TABLE

		water cement sand bentonite			
		gal	sack	lbs	lbs
1	CEMENT AND SAND GROUT	= 6	1	188	n/a
2	NEAT CEMENT GROUT	= 6	1	n/a	n/a
3	BENTONITE CEMENT GROUT	= 8	1	n/a	1.88